

## ONR BAA Announcement # 06-021



# BROAD AGENCY ANNOUNCEMENT (BAA)

## INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2). A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued.

The Office of Naval Research (ONR) will not issue paper copies of this announcement. The ONR reserves the right to select for award all, some, or none of the proposals in response to this announcement. The ONR reserves the right to fund all, some, or none of the proposals received under this BAA. ONR provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this BAA will not be returned. It is the policy of ONR to treat all proposals as sensitive competitive information and to disclose their contents only for the purposes of evaluation.

## I. GENERAL INFORMATION

### 1. Agency Name -

Office of Naval Research  
One Liberty Center  
875 North Randolph Street, Suite 1425  
Arlington, VA 22203-1995

**2. Research Opportunity Title -**

Conceptual Design & Mockup Science & Technology Efforts in Support of the Family of Joint Light Tactical Vehicles

**3. Program Name –**

Not Applicable

**4. Research Opportunity Number –**

ONR BAA – 06-021

**5. Response Date -**

Full Proposals are due no later than 2:00 p.m. EDT on 24 July 2006

**6. Research Opportunity Description –****6.1 Background:**

In response to an operational need and an aging fleet of light tactical wheeled vehicles, the Joint Services are developing a requirement for a family of new tactical wheeled vehicles. This vehicle will provide increased force protection, survivability, and improved capacity over the current up-armored High Mobility Multi Wheeled Vehicle (HMMWV) while balancing mobility and transportability requirements with total ownership costs.

The collection of mission role variants based on one or more common vehicle platforms is known as the Joint Light Tactical Vehicle (JLTV) Family of Vehicles. The five (5) Mission Role Vehicles (i.e., common platform(s) configured to perform a particular mission) are defined as follows: 1) Combat Tactical Variant 2) Command and Control Variant 3) Utility Variant 4) Light Infantry Squad Carrier Variant and 5) Reconnaissance Variant. The vehicle family will also include compatible trailers. These 5 Mission Role Vehicles track to the 5 task oriented gaps in current joint service light tactical mobility that have been identified through JCIDS analysis: (1) Move mounted infantry/combat arms forces; (2) Move mounted Combat Service forces; (3) Move mounted Combat Service Support forces; (4) Move Light Infantry (Airborne/Air Assault) and (5) Move reconnaissance forces undetected. The JLTV and other future military vehicles will be designed with basic organic armor protection (“A” kit) but must also accommodate an add-on armor protection system (“B” kit) that may be installed by the vehicle occupants. This approach has significant implications for the design of the vehicle. The propulsion and suspension systems must be capable of providing adequate mobility performance under widely varying vehicle load conditions. The body structure must be strong and rigid enough to securely attach heavy armor panels & ballistic glass, yet light enough for air transport. The braking system must be sized for the maximum anticipated Gross Vehicle Weight (GVW), yet still be capable of functioning properly when the vehicle is lightly loaded. Vehicle dimensions and weight have a very

significant effect on transportability aboard ships and aircraft. The JLTV family of vehicles must be designed to be network enabled and provide capability to organically power all of the on-board electronic components, both with the engine on and in extended silent watch, as well as export power to outside systems.

Simultaneously satisfying these and other design issues, and making this an affordable family of vehicles, will require innovative and novel technologies and strategies and the judicious use of advanced technology informed by a measured decision-making process.

These science and technology efforts are not related to a specific program of record or hardware procurement but will be used to advance the state-of-the-art and increase our knowledge base relative to the trades and technologies being developed. The results from these efforts will be used to support an envisioned phased joint service program and help define a common set of vehicle requirements.

It is understood that contractor proprietary information may be utilized in the execution of these efforts. All information and data that result from this program will be restricted to Government use only.

## **6.2 Requirement and Objective:**

The Office of Naval Research, in concert with the Army and Marine Corps, is soliciting proposals in the area of new and novel military wheeled vehicle conceptual designs and mockup fabrication/evaluation. These conceptual designs shall consist of new scientific and technical approaches and consider the entire JLTV Family of Vehicles and address all 5 Mission Role configurations. Modularity (i.e., designed-in capability to reconfigure a baseline JLTV platform from one mission role to another by installing/removing modular mission role kits) and commonality across all variants shall be a primary design consideration and must be clearly defined. The following tasks are expected to be performed during the course of the effort:

### **1) JLTV Documentation Review**

- Each contractor shall collect and review all available JLTV program documentation in order to fully understand the desired vehicle mission, concept of operations, notional requirements, and support structure envisioned. Each contractor shall also collect and review documentation on the current joint forces fleet of light tactical vehicles (HMMWVs) so as to fully understand the problems experienced with these vehicles, in order to ensure that these problems are adequately addressed/corrected in the concept design(s) presented.

### **2) Component Technology Review and Development**

- Each contractor shall perform a comprehensive search for and review of emerging and innovative technologies and innovative combinations of technologies that could be relevant to the design, fabrication, operation, maintenance, logistics support, transportability, and overall military utility of the JLTV. Technologies in the area of mobility, survivability, armor, mine

blast protection, weapons, RPG defense, and supportability (i.e., reduced logistics footprint, greater reliability, better maintainability, etc.) etc., should be considered. Additionally, advanced safety and performance enhancing technologies such as ABS, traction control, yaw control, and load leveling must be considered.

### 3) Component and System Trade Studies

- Utilizing the results from Task 2, each contractor shall perform trade-off analyses that evaluate the benefits and design impact of the different components and systems that will form the basis of the JLTV, including assessment of mission kit configurations. Examples of these design impacts (not in rank order) are survivability, cost, complexity, weight, maintainability, military utility, safety, human factors engineering, durability, reliability, range, and logistical support. Component/system maturity and suitability for installation onto a military vehicle shall be considered (i.e. the trade studies should give greater weight to more mature technologies).

The following table should be considered as guidance when performing the trade-offs:

| Capability Weighting Factors & Level of Importance |     |
|--|-----|
| Force Protection& Survivability                    | 45% |
| Mobility   | 30% |
| Network Enabling & Power Generation                | 20% |
| Accommodation of Payload                           | 5%  |

As a minimum, the analyses to be performed shall include:

- Chassis: Ladder vs. monocoque vs. space-frame. Materials (or their treatments) must be corrosion resistant. The chassis must be capable of mounting air-transport provisions such as tie-down and lifting shackles. Adaptability to multiple mission variant configurations shall be considered; i.e., modular platform design to allow the joint forces Commander to easily reconfigure a vehicle from one mission role to another based on mission requirements in theater without the use of special tools or specially trained individuals.
- Suspension: The number of effective axles will be determined (2 versus 3; i.e., 4x4 versus 6x6). Active vs. semi-active vs. passive systems shall be considered. Two-wheel vs. four and six wheel steering systems shall be considered. Suspension configurations must be capable of accepting different levels of armor protection and payloads without severe performance degradation or steering geometry changes. Variable height suspension systems that allow for various operational and transportability scenarios shall be considered.
- Engine & drive train: Mechanical vs. electric vs. hybrid-electric drive. In-hub wheel vs. differential-mounted traction motors. For the hybrid systems, series vs. parallel architectures and their associated energy

storage systems must be considered. The ability of the engine/drive train to generate exportable power shall be considered.

- d. Armor/survivability: Material composition, shape, and ease of integration for the “A” & “B” kit to the host platform must be considered with respect to the threat classes, e.g., small-arms, IED’s, and mine blast. Shock-mitigating seating systems must be considered. Maximum survivability/ballistic protection in the organic “A kit” configuration is desired while still meeting weight/transportability requirement. It is desired that add-on B kit armor pieces have the capability of easy-to-access places in order to minimize installation/removal time and effort.
- e. Armament: Pintle mounted vs. remotely operated weapon stations shall be considered for both medium and heavy caliber machine guns.
- f. Power: Capability to provide power for vehicle electronics as well as growth capacity for future electronic needs. Capability to provide exportable power to other external systems such as towed communications systems.
- g. Towing capacity: The JLTV vehicles shall have the capability to tow significant loads (desired up to 10,000 lbs.) both on road and cross country.

#### 4) Modeling & Simulation; Performance Analysis

- Throughout the trade-off process, each Contractor shall perform a series of modeling & simulations to examine the viability and utility of the new and innovative technologies and their potential utility to the JLTV. They will also be used to estimate JLTV performance in terms of automotive capability, on-road and cross-country mobility, transportability and survivability. As a minimum, ride quality, roll stability, acceleration, fuel economy (using Government-approved driving cycle and GVW), obstacle negotiation, soft-soil performance, steering and handling, ballistic protection performance and blast mitigation shall be predicted.

#### 5) Develop Conceptual Designs & Identification of Future Technologies

- Utilizing the results from the component and system trade studies, each contractor shall perform vehicle conceptual design studies to visualize the size, shape, weight, component/system layout, and general configuration of a notional JLTV family of five (5) mission role vehicles clearly describing recommended MRV configurations, modularity, and commonality across platforms. Because of the accelerated nature of the JLTV program, the design studies shall consider near-term technology solutions (technologies able to support an FY08 System Development and Demonstration (SDD) phase) and far-term technology solutions. New and innovative technologies that could be inserted into a JLTV platform at an appropriate Pre-planned Product Improvement (P3I) opportunity in the 2012+ timeframe shall be identified and assessed for suitability. Modular open system architecture designs that allow for easy insertion of future technologies and growth capacity in power, weight, and electronic/computer systems are preferred.

6) Mockup Fabrication

- The visualization of new and advanced vehicle concepts is greatly enhanced with the fabrication of a mockup, especially when novel hull designs are utilized. Upon completion of a formal review, each contractor shall, with Government approval, assemble one or more cost-effective (plywood & aluminum) vehicle mockup(s) in order to evaluate vehicle size & shape, machinery arrangements & space claims, occupant positions & visibility, weapon system placement, ingress & egress paths, control layout, payload volume, etc. After mockup fabrication has been completed, each contractor shall support a mockup evaluation by the Government.

7) Generate Final Report and Recommendations

- Each contractor shall assemble the all results of Tasks 1-6 into a comprehensive final report. The report will include recommendations to the Government as to the optimal configuration of the notional JLTV concept and advanced technologies for the P3I opportunities. As stated earlier, the results from these efforts will be used to support an envisioned phased joint service program and help define a common set of vehicle requirements.

**7. Points of Contact -**

Questions of a technical nature shall be directed to the Technical Point of Contact, as specified below:

Science and Technology Point of Contact:

Mr. Jeff Bradel  
Program Officer  
Office of Naval Research  
One Liberty Center  
875 North Randolph Street, Suite 1425  
Arlington, VA 22203-1995

Telephone Number: (703)-588-2552  
Facsimile Number: (703)-696-2611  
Email Address: bradelj@onr.navy.mil

Questions of a business nature shall be directed to the Business Point of Contact, as specified below:

Business Point of Contact:

Julie DeStefano  
Contract Specialist  
Code ONR 0253  
Office of Naval Research  
One Liberty Center

875 North Randolph Street, Suite 1425  
Arlington, VA 22203-1995

Telephone Number: (703)-696-7826  
Facsimile Number: (703)-696-3365  
Email Address: destefj@onr.navy.mil

**8. Instrument Types -**

It is anticipated that all awards resulting from this announcement will be contracts.

**9. Catalog of Federal Domestic Assistance (CFDA) Numbers -**

Not Applicable

**10. Catalog of Federal Domestic Assistance (CFDA) Titles -**

Not Applicable

**11. Other Information:**

Not Applicable

**II. AWARD INFORMATION**

Anticipated Award Information is as follows:

Estimated Total Amount of Funding Available: \$2,500,000. It is estimated that each contractor would be provided approximately \$500K to perform this effort.

Total Amount of Funding Available for each Fiscal Year: FY 2006: \$1000K initial  
funding upon award  
FY 2007: \$1500K anticipated

Anticipated Number of Awards: Up to 5

Anticipated Award Types: Awards will be in the form of CPFF contracts

Anticipated Period of Performance: 8 months

**III. ELIGIBILITY INFORMATION**

This solicitation is open to all responsible sources other than Government entities and Federally Funded Research and Development Centers (FFRDCs).

## **IV. APPLICATION AND SUBMISSION INFORMATION**

### **1. Application and Submission Process -**

**Full Proposals** - The due date for receipt of Full Proposals is 2 p.m. (EDT) on 07/24/2006. It is anticipated that final selections will be made by 07/31/2006. As soon as the final proposal evaluation process is completed, the Offeror will be notified via email or letter of its selection or non-selection for an award. Proposals exceeding the page limit may not be evaluated.

### **2. Content and Format Full Proposals -**

The Proposals submitted under this BAA shall be unclassified. Confidential/classified proposals are not permitted and will not be accepted or considered for award. The Proposal submissions will be protected from unauthorized disclosure in accordance with FAR 15.207, applicable law, and DoD/DoN regulations. Offerors are expected to appropriately mark each page of their submission that contains proprietary information.

### **Full Proposal Format – Volume 1 - Technical Proposal / Volume 2 - Cost Proposal**

- Paper Size – 8.5 x 11 inch paper
- Margins – 1” inch
- Spacing – 1.5 or double-spaced
- Font – Times New Roman, 12 point
- Number of Pages – Volume 1 is limited to no more than 35 pages. There is no page limit for Volume II. Limitations within sections of the proposal are indicated in the individual descriptions shown below. The cover page, table of contents, and resumes are excluded from the page limitations. Full Proposals exceeding the page limit may not be evaluated.
- Copies – one (1) original, five (5) copies and one (1) electronic copy on CD-ROM, (in Microsoft® Word and Excel 97 compatible).

### **Full Proposal Content**

#### **Volume 1: Technical Proposal**

The Technical Proposal shall contain the following:

- **Cover Page:** This should include the words “Technical Proposal” and the following:
  - 1) BAA number;
  - 2) Title of Proposal;
  - 3) Identity of prime Offeror and complete list of subcontractors, if applicable;

- 4) Technical contact (name, address, phone/fax, electronic mail address)
  - 5) Administrative/business contact (name, address, phone/fax, electronic mail address) and;
  - 6) Duration of effort
  - 7) Cover page must be signed and dated
- **Table of Contents:** Section, Title and page numbers are required.
  - **Technical Approach:** (10 pages) A description of the technical problem, program objectives, how offeror's approach improves on what is currently available, proposed technical solution, testing and validation approach and criteria, expected impact on the JLTV, and expected benefits.
  - **Statement of Work:** (10 pages) A Statement of Work (SOW) clearly detailing the scope and objectives of the effort and the technical approach. It is anticipated that the proposed SOW will be incorporated as an attachment to the resultant award instrument. To this end, such proposals must include a severable self-standing SOW without any proprietary restrictions, which can be attached to the contract or agreement award. Include a detailed listing of the technical tasks/subtasks organized by month.
  - **Project Schedule and Milestones:** (2 pages) A summary of the schedule of events and milestones.
  - **Assertion of Data Rights:** (Not included in page limitations) Include here a summary of any proprietary rights to pre-existing results, prototypes, or systems supporting and/or necessary for the use of the research, results, and/or prototype. Any data rights asserted in other parts of the proposal that would impact the rights in this section must be cross-referenced. If there are proprietary rights, the Offeror must explain how these affect its ability to deliver research data, subsystems and toolkits for integration. Additionally, Offerors must explain how the program goals are achievable in light of these proprietary limitations. If there are no claims of proprietary rights in pre-existing data, this section shall consist of a statement to that effect. Data Rights should be asserted in accordance with DFARS 252.227-7013 or its alternate. The full text of this clause may be assessed electronically at the following web address:  
  
[http://farsite.hill.af.mil/farsite\\_script.html](http://farsite.hill.af.mil/farsite_script.html)
  - **Deliverables:** (1 page) A detailed description of the results and products to be delivered, to include program technical interchange meetings and reviews (including those identified under Section VI- Award Administration Information, paragraph 2, entitled "Program Deliverables and Reporting").

- **Management Approach:** (6 pages) A discussion of the overall approach to the management of this effort, including brief discussions of the total organization, use of personnel, project/function/subcontractor relationships, government interfaces, and planning/scheduling/control practices. Identify which personnel and subcontractors (if any) will be involved. Include a description of the facilities that are required for the proposed effort with a description of any Government Furnished Equipment/Hardware/Software/Information required, by version and/or configuration.
- **Personnel:** (Not included in page limitations) The offeror shall provide resumes of proposed key personnel to be utilized by the contractor/subcontractor in the performance of this contract. The offeror shall ensure that the proposed personnel are fully capable of performing in an efficient, reliable and professional manner.
- **Past Performance :** (6 Pages) A detailed description of similar effort performed on past Government or privately funded programs, especially as it pertains to military wheeled vehicle suspension system design, development, and testing.

## **VOLUME 2: Cost Proposal**

The Cost Proposal shall consist of a cover page and two parts. Part 1 shall provide a detailed cost breakdown of all costs, by cost category, by calendar or Gov't fiscal year, and Part 2 will provide a cost breakdown by task/sub-task, corresponding to the task numbers in the proposed Statement of Work.

**Cover Page:** The use of the SF 1411 is optional. The words “Cost Proposal” should appear on the cover page in addition to the following information:

- BAA number
- Title of Proposal
- Identity of prime Offeror and complete list of subcontractors, if applicable
- Technical contact (name, address, phone/fax, electronic mail address)
- Administrative/business contact (name, address, phone/fax, electronic mail address) and
- Duration of effort (separately identify basic effort and any proposed options)
- Names, phone numbers and e-mail addresses of DCMA and DCAA Points of Contacts; and
- Whether the proposal includes DCAA approved Forward Pricing Rate Agreement (FPRA) direct and indirect rates.

**Part 1:** Detailed breakdown of all costs, by cost category, by calendar or Gov't fiscal year:

- Direct Labor – Individual labor category or person, with associated labor hours and unburdened direct labor rates
- Indirect Costs – Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate)
- Travel – Number of trips, destination, duration, etc.
- Subcontract – A cost proposal as detailed as the Offeror's cost proposal will be required to be submitted by the subcontractor. The subcontractor's cost proposal can be provided in a sealed envelope with the Offeror's cost proposal or will be requested from the subcontractor at a later date
- Consultant – Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate
- Materials should be specifically itemized with costs or estimated costs. An explanation of any estimating factors, including their derivation and application, shall be provided. Include a brief description of the Offeror's procurement method to be used (Competition, engineering estimate, market survey, etc.)
- Other Directs Costs, particularly any proposed items of equipment or facilities. Equipment and facilities generally must be furnished by the contractor/recipient. (Justifications must be provided when Government funding for such items is sought). Include a brief description of the Offeror's procurement method to be used (Competition, engineering estimate, market survey, etc.)
- Fee/Profit including fee percentage.

**Part 2:** Cost breakdown by task/sub-task using the same task numbers in the Statement of Work.

### **3. Significant Dates and Times-**

| <b>Anticipated Schedule of Events *</b> |                              |                   |
|---|------------------------------|-------------------|
| <b>Event</b>                            | <b>Date (MM/DD/YEAR)</b>     | <b>Time (EDT)</b> |
| Full Proposals Due Date                 | 07/24/2006                   | 2:00 p.m.         |
| Notification of Selection for Award     | *07/31/2006                  | 2:00 p.m.         |
| Contract Awards                         | *10/31/2006                  | 2:00 p.m.         |
| Kickoff Meeting (DC Area)               | 14 Days After Contract Award |                   |

**\*These dates are estimates as of the date of this announcement.**

#### **4. Submission of Late Proposals –**

Any proposal, modification, or revision, that is received at the designated Government office after the exact time specified for receipt of proposals is “late” and will not be considered unless it is received before award is made, the contracting officer determines that accepting the late proposal would not unduly delay the acquisition and

- (a) If it was transmitted through an electronic commerce method authorized by the announcement, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or
- (b) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of proposals and was under the Government’s control prior to the time set for receipt of proposals; or
- (c) It was the only proposal received.

However, a late modification of an otherwise timely and successful proposal that makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

Acceptable evidence to establish the time or receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the Government office designated for receipt of proposals by the exact time specified in the announcement, and urgent Government requirements preclude amendment of the announcement closing date, the time specified for receipt of proposals will be deemed to be extend to the same time of day specified in the announcement on the first work day on which normal Government processes resume.

The contracting officer must promptly notify any offeror if its proposal, modifications, or revision was received late and must inform the offeror whether its proposal will be considered.

NOTE: Due to changes in security procedures since September 11, 2001, the time required for hard-copy written materials to be received at the Office of Naval Research has increased. Thus it is recommended that any hard-copy proposal be mailed several days before the deadline established in the solicitation so that it will not be received late and thus be ineligible for award consideration.

## **5. Address for the Submission of Full Proposals –**

Office of Naval Research  
Attn: Mr. Jeff Bradel  
Room 1162  
One Liberty Center  
875 North Randolph Street, Suite 1425  
Arlington, VA 22203-1995  
Telephone Number: (703) 588-2552

**NOTE: PROPOSALS SENT BY FAX OR E-MAIL WILL NOT BE CONSIDERED.**

## **V. EVALUATION INFORMATION**

### **1. Evaluation Criteria –**

#### **Criteria for Selecting Proposals, their Relative Importance, and the Method of Evaluation**

The following evaluations will be conducted using the following criteria. Criteria A-D are listed in descending order of importance. Any subcriteria listed under a particular criterion are of equal importance to each other:

- A. Overall technical merit
  - 1. The soundness of technical concept
  - 2. The soundness of system integration
- B. Programmatic relevance of the proposal
- C. Offeror's capabilities, related experience, facilities and past performance, including the qualifications, capabilities and experience of the principal investigator and key personnel.
  - 1. The quality of the technical personnel proposed
  - 2. The Offeror's experience in relevant efforts with similar resources
  - 3. The ability to manage the proposed effort
- D. Realism of the proposed cost and extent to which the cost effectiveness of the proposed research is diminished by expenditures for excessive administrative and overhead expenses

For proposed awards to be made as contracts to large businesses, the socio-economic merits of each proposal will be evaluated based on the extent of the Offeror's commitment in providing meaningful subcontracting opportunities for small businesses, small disadvantaged businesses, woman-owned small businesses, HUBZone small businesses, veteran-owned small businesses, service disabled veteran-owned small businesses, historically black colleges and universities, and minority institutions.

## **2. Evaluation Panel -**

Government technical experts from the Office of Naval Research, Army, and the Marine Corps, and possibly other Federal entities, will perform the evaluation of proposals. The Government may use selected non-government personnel or support contractor personnel to assist in the administrative handling of any proposals ensuing from this solicitation. If called upon, they may provide technical assistance to the Government evaluation panel. Such non-government personnel will be bound by appropriate non-disclosure agreements to protect proprietary and source-selection information.

## **VI. AWARD ADMINISTRATION INFORMATION**

### **1. Administrative Requirements –**

- The North American Industry Classification System (NAICS) code – The North American Industry Classification System (NAICS) code for this announcement is 54710 with a small business size standard of 500.
- CCR - Successful Offerors not already registered in the Central Contractor Registry (CCR) will be required to register in CCR prior to award of any grant, contract, cooperative agreement, or other transaction agreement. Information on CCR registration is available at <http://www.onr.navy.mil/02/ccr.htm>.
- Certifications – Proposals should be accompanied by a completed certification package that can be accessed on the ONR Home Page at Contracts & Grants. For contract proposals, the certification package is entitled, "[Representations and Certifications for Contracts](#)."
- Online Representations and Certifications Application (ORCA) - In addition to the submission of ONR specific Representations and Certifications, successful offerors not already registered in ORCA will be required to register prior to award of any contract. Information on ORCA registration is available at <http://orca.bpn.gov>.
- Subcontracting Plans - Successful contract proposals that exceed \$500,000, submitted by all but small business concerns, will be required to submit a Small Business Subcontracting Plan in accordance with FAR 52.219-9, prior to award.

### **2. Program Deliverables and Reporting -**

The following deliverables, primarily in contractor format, are anticipated as necessary. However, specific deliverables should be proposed by each Offeror and finalized with the contracting agent:

- Monthly Technical and Financial Progress Reports
- Trade Study
- Presentation Material, to include Trade-Studies

- Conceptual Designs & Analyses
- Modeling & Simulation Results
- Mockup Evaluation
- Performance Specifications and Technical Data
- Final Program Summary Report & Conceptual Design Drawings

## **VII. OTHER INFORMATION**

### **1. Government Property/Government Furnished Equipment (GFE) and Facilities**

Each proposer must provide a very specific description of any equipment/hardware that it needs to acquire to perform the work. This description should indicate whether or not each particular piece of equipment/hardware will be included as part of a deliverable item under the resulting award. Also, this description should identify the component, nomenclature and configuration of the equipment/hardware that it proposes to purchase for this effort. It is the Government's desire to have the contractors purchase the equipment/hardware for deliverable items under their contract. The purchase on a direct reimbursement basis of special test equipment or other equipment that is not included in a deliverable item will be evaluated for allowability on a case-by-case basis. Maximum use of Government integration, test, and experiment facilities is encouraged in each of the offeror's proposals.

Government research facilities and operational military units are available and should be considered as potential government furnished equipment/facilities. These facilities and resources are of high value and some are in constant demand by multiple programs. It is unlikely that all facilities would be used for the Conceptual Design & Mockup Science & Technology Efforts in Support of the Family of Joint Light Tactical Vehicles. The use of these facilities and resources will be negotiated as the program unfolds. Offerors should explain which of these facilities they recommend.

### **2. Use of Animals and Human Subjects in Research**

If animals are to be utilized in the research effort proposed, the Offeror must complete a DoD Animal Use Protocol with supporting documentation (copies of AAALAC accreditation and /or NIH assurance, IACUC approval, research literature database searches, and the two most recent USDA inspection reports) prior to award. Similarly, for any proposal that involves the experimental use of human subjects, the Offeror must obtain approval from the Offeror's committee for protection of human subjects (normally referred to as an Institutional Review Board, (IRB)). The Offeror must also provide NIH (OHRP/DHHS) documentation of a Federal Wide Assurance that covers the proposed human subjects study. If the Offeror does not have a Federal Wide Assurance, a DoD Single Project Assurance for that work must be completed prior to award. Please see <http://www.onr.navy.mil/02/howto.htm> for further information.

### **3. Department of Defense High Performance Computing Program**

The DoD High Performance Computing Program (HPCMP) furnishes the DoD S & T and DT & E communities with use-access to very powerful high performance computing systems. Awardees of ONR contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if ONR Program Officer approval is obtained and if security/screening requirements are favorably completed. Additional information and an application may be found at <http://www.hpcmo.hpc.mil/>.